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**FAX COVER SHEET**

From: Michael K. Dixon/vb

Date: January 18, 2005

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Fax Number: 703.872.9306  
Phone Number: \_\_\_\_\_

Please call 561.653.5000, Ext. 3412 if you do not receive all the pages.

**Comments/Special Instructions**

Re: Response to Office Action for  
U.S. Utility Patent Application No. 10/697,370 for  
"Gas Turbine Vane with Integral  
Cooling Flow Control System"  
Our Ref. No.: 2003P13685US

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Client/Matter No: 140124 Equitrac ID: 7096

PTO/SB/21 (02-04)

Approved for use through 07/31/2006. OMB 0651-0031

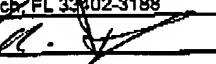
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	10/697,370
		Filing Date	October 30, 2003
		First Named Inventor	Liang, Georgia
		Art Unit	3745
		Examiner Name	Verdier, Christopher M.
Total Number of Pages in This Submission	28	Attorney Docket Number	2003P13685US

ENCLOSURES (Check all that apply)			
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Remarks	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):	

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Akerman Senterfitt/Michael K. Dixon, Reg. No. 46,665 P.O. Box 3188 West Palm Beach, FL 33402-3188		
Signature			
Date	January 18, 2005		

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Michael K. Dixon, Reg. No. 46,665		
Signature			
	Date	January 18, 2005	

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# FEE TRANSMITTAL for FY 2004

Effective 10/01/2003, Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 0.00)

## Complete if Known

Application Number	10/697,370
Filing Date	October 30, 2003
First Named Inventor	Liang, George
Examiner Name	Verdier, Christopher M.
Art Unit	3745
Attorney Docket No.	2003P13685US

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None
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Deposit Account Name

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The Director is authorized to: (check all that apply)

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## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 770	2001 385	Utility filing fee	
1002 340	2002 170	Design filing fee	
1003 530	2003 285	Plant filing fee	
1004 770	2004 385	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	
SUBTOTAL (1) (\$ 0.00)			

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims		Fee from below	Fee Paid
	-20**	=		
Independent Claims				
Multiple Dependent		- 3** =		

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description
1202 18	2202 9	Claims in excess of 20
1201 86	2201 43	Independent claims in excess of 3
1203 290	2203 145	Multiple dependent claim, if not paid
1204 86	2204 43	** Reissue independent claims over original patent
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 0.00)		

\*\*or number previously paid, if greater. For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65	Surcharge - late filing fee or oath	
1052 50	2052 25	Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130	Non-English specification	
1812 2,520	1812 2,520	For filing a request for ex parte reexamination	
1804 920*	1804 920*	Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*	Requesting publication of SIR after Examiner action	
1251 110	2251 55	Extension for reply within first month	
1252 420	2252 210	Extension for reply within second month	
1253 950	2253 475	Extension for reply within third month	
1254 1,480	2254 740	Extension for reply within fourth month	
1255 2,010	2255 1,005	Extension for reply within fifth month	
1401 330	2401 165	Notice of Appeal	
1402 330	2402 165	Filing a brief in support of an appeal	
1403 290	2403 145	Request for oral hearing	
1451 1,510	1451 1,510	Petition to institute a public use proceeding	
1452 110	2452 55	Petition to revive - unavoidable	
1453 1,330	2453 665	Petition to revive - unintentional	
1501 1,330	2501 665	Utility issue fee (or reissue)	
1502 480	2502 240	Design issue fee	
1503 640	2503 320	Plant issue fee	
1480 130	1460 130	Petitions to the Commissioner	
1807 50	1807 50	Processing fee under 37 CFR 1.17(q)	
1808 180	1808 180	Submission of Information Disclosure Stmt	
8021 40	8021 40	Recording each patent assignment per property (times number of properties)	
1809 770	2809 385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810 770	2810 385	For each additional invention to be examined (37 CFR 1.129(b))	
1801 770	2801 385	Request for Continued Examination (RCE)	
1802 900	1802 900	Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid			
SUBTOTAL (3) (\$ 0.00)			

(Complete if applicable)

SUBMITTED BY			
Name (Print/Type)	Michael K. Dixon	Registration No. (Attorney/Agent)	46,665
Signature		Telephone	561.653.5000
		Date	January 18, 2005

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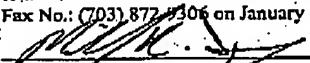
## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

SERIAL NO.: **10/697,370** CONFIRMATION NO.: **7887**  
APPLICANT: **Liang, George** RECEIVED  
FILED: **October 30, 2003** CENTRAL FAX CENTER  
GROUP ART UNIT: **3745** JAN 18 2005  
EXAMINER: **Verdier, Christopher M.**  
ATTORNEY **2003P13685US**  
DOCKET NO.:  
CUSTOMER NO.:

FOR: **Gas Turbine Vane With Integral Cooling Flow Control System**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

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Fax No.: (703) 872-9306 on January 18, 2005.

 Michael K. Dixon Reg. No. 46,665

DATE: **January 18, 2005**

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**AMENDMENT AND RESPONSE**

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Sir:

In response to the Office Action (hereinafter "the Action") dated October 18, 2004,  
please amend the above-identified patent application as follows:

**Amendments to the Specification begin on page 3 of this paper;**

U.S. Serial No. 10/697,370  
Amendment Dated January 18, 2005  
Response To Office Action Dated October 18, 2004

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**Amendments to the Claims** begin on page 6 of this paper; and

**Remarks** begin on page 13 of this paper.